

## CLAIMS

Claim 1. Public system for wirelessly controlling content seen on large-screen systems comprising:

- a.) at least one publicly-accessible large-screen display and display means for imaging screen-content onto said large-screen display;
- b.) at least one wireless handheld device having user-input means for transmitting at least one type of control signal from said device;
- c.) said wireless handheld device(s) suitable for establishing a communications link with a publicly-accessible wireless communications network;
- d.) said wireless communications network having at least one electrically powered microcontroller, at least one control-circuit, and software for receiving and interpreting said control signals, and for controlling screen-content of at least one video system, on said large-screen display, according to said user-input; and
- e.) said wireless communications network having control signal reception means suitable for receiving said control signals and for routing same to said microcontroller(s).

Claim 2. The large-screen display of claim 1 comprising at least one projection screen and at least one projector to project user-input controlled video signal.

Claim 3. The projection screen(s) of claim 2 comprising a screen material suitable for rear-projection.

Claim 4. The large-screen display of claim 1 comprising a screen composed of a multiplicity of pixel elements.

1 Claim 5. The wireless handheld device(s) of claim 1 consisting of a wireless telephone having  
2 user-input means suitable for taking at least one type of control input from a user and  
3 transmitting same as identifiable control signals.

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5 Claim 6. The wireless telephone and identifiable control signals of claim 5 wherein said user-  
6 input means is provided by at least one of said telephone's push-buttons and said identifiable  
7 control signals are provided by a transmittable signal generated during the depression of any of  
8 said push-button(s).

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10 Claim 7. The wireless telephone and identifiable control signals of claim 5 wherein said user-  
11 input means is provided through said telephone's mouthpiece and said identifiable control  
12 signals consist of at least one vocalized sound, wherein;

13 at least one microcontroller of the system provides voice recognition software routines  
14 suitable for interpreting said vocalized sound(s) and  
15 for outputting screen-content control signals in response to said control signals.

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17 Claim 8. The wireless handheld device(s) of claim 1 consisting of a wireless Personal Digital  
18 Assistant ('PDA') having user-input means suitable for taking at least one type of control input  
19 from a user and transmitting same as identifiable control signals.

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21 Claim 9. The wireless PDA and identifiable control signals of claim 8 wherein said user-input  
22 means is provided by at least one of said PDA's push-buttons and said identifiable control  
23 signals are generated during the depression of any of said push-button(s).



1 Claim 17. The communications link and publicly-accessible wireless communications network  
2 of claim 1 consisting of a connection with at least one wide area network, commonly referred to  
3 as a 'WAN'.  
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5 Claim 18. The communications link and publicly-accessible wireless communications network  
6 of claim 1 consisting of a connection with at least one local area network, commonly referred to  
7 as a 'LAN'.  
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9 Claim 19. The microcontroller and control circuit of claim 1 further comprising an interactive  
10 communications link with at least one video-game system, said video-game system(s) comprising:

- 11 a.) at least one interactive software game;  
12 b.) input circuitry for receiving input-controller information from said control signal(s)  
13 in order to control game parameters  
14 c.) video-output circuitry for outputting video-game screen-content to said large-screen  
15 display  
16 d.) video-output circuitry for controlling video-game screen-content on said large-screen  
17 display according to user-input.  
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19 Claim 20. The microcontroller and control circuit of claim 1 further comprising a communications link  
20 with at least one video system, said video system(s) comprising:

- 21 a.) video hardware and software, and input circuitry for receiving and interpreting input-  
22 controller information from said control signal(s) in order to control video parameters  
23 b.) video-output circuitry for outputting video screen-content to said large-screen display  
24 c.) video-output circuitry for controlling video screen-content on said large-screen  
25 display in response to user-input.  
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1 Claim 21. The video hardware and software of claim 20 further comprising means for controlling  
2 screen-content on said large-screen display.

4 Claim 22. The video hardware and software of claim 20 further comprising means for switching screen-  
5 content on said large-screen display.

7 Claim 23. The video hardware and software of claim 20 further comprising means for modulating  
8 screen-content on said large-screen display.

10 Claim 24. The video hardware and software of claim 20 further comprising means for controlling  
11 screen-elements on said large-screen display.

13 Claim 25. The system of claim 1 further comprising a communications link between said  
14 microcontroller(s) and at least one non-volatile memory to store user-input programmable parameters  
15 and to retrieve same therefrom as needed.

17 Claim 26. The system of claim 1 further comprising a communications link between said  
18 microcontroller(s) and at least one non-volatile memory to retrieve pre-assigned parameters therefrom as  
19 needed.

21 Claim 27. The system of claim 1 further comprising a communications link between said  
22 microcontroller(s) and at least one updateable database record to store game-related information and to  
23 retrieve same therefrom as needed.

25 Claim 28. The system of claim 1 further comprising at least one software routine that provides access to  
26 the system upon receipt of at least one acceptable access-code sent from a wireless handheld device.

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2 Claim 29. The access-code(s) of claim 28 consisting of at least one telephone number.

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4 Claim 30. The video system(s) of claim 1 further comprising a software interface responsive to user-  
5 input from a wireless device to facilitate on-screen selection of pre-determined parameters that will  
6 effect screen-content of said video system(s).

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8 Claim 31. The video system(s) of claim 1 further comprising a software interface responsive to user-  
9 input from a wireless device to facilitate on-screen selection of programmable parameters that will effect  
10 screen-content of said video system(s).

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12 Claim 32. said wireless communications network(s) of claim 1 further comprising caller-identification  
13 means for automatically identifying a caller who has established a communications link with said  
14 network(s).

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16 Claim 33. Public system for controlling content seen on large-screen systems comprising:

- 17 a.) at least one publicly-accessible large-screen display and display means for imaging screen-  
18 content onto said large-screen display;
- 19 b.) at least one wireless phone having user-input means suitable for taking at least one  
20 type of control input from a user and transmitting same as identifiable control signals;
- 21 c.) said wireless phone suitable for establishing a communications link with a publicly-  
22 accessible wireless communications network;
- 23 d.) said wireless communications network having at least one electrically powered  
24 microcontroller and control-circuit for receiving and interpreting said control signals,  
25 and for controlling screen-content derived from at least one video system, on said  
26 large-screen display in response to said user-input; and

1 e.) said wireless communications network having control signal reception means suitable  
2 for receiving said control signals and for routing same to said microcontroller(s).  
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4 Claim 34. Public system for controlling content seen on large-screen systems comprising:

5 a.) at least one publicly-accessible large-screen display and display means for imaging screen-  
6 content onto said large-screen display;

7 b.) at least one wireless Personal Digital Assistant (PDA) having user-input means  
8 suitable for taking at least one type of control input from a user and transmitting same  
9 as identifiable control signals;

10 c.) said wireless Personal Digital Assistant suitable for establishing a communications  
11 link with a publicly-accessible wireless communications network;

12 d.) said wireless communications network having at least one electrically powered  
13 microcontroller and control-circuit for receiving and interpreting said control signals,  
14 and for controlling screen-content derived from at least one video system, on said  
15 large-screen display in response to said user-input; and

16 e.) said wireless communications network having control signal reception means suitable for  
17 receiving said control signals and for routing same to said microcontroller(s).  
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